



OPUS-V

**Hydraulically actuated
closed-center cylinder**

Closed-center cylinders for hydraulically operated power lathe chucks with large control range and shortest switching times

OPUS-V is the ideal standard cylinder without a through-hole for all conventional power lathe chucks. The clamping cylinder is designed for high rotational speeds and can be operated at a hydraulic pressure of up to 70 bar. Two proximity switches allow easy adjustment and monitoring of the clamping stroke via an integrated control cam.



Advantages – Your benefits

- + Integrated check valve**
Temporarily maintains the pressure in the hydraulic cylinder in case of pipe failure
- + Compact design**
Easy integration in existing lathes
- + Long actuating stroke**
Suitable for actuation of all standard power chucks
- + Integrated control cam for stroke monitoring**
Two proximity switches allow easy adjustment and monitoring of the clamping stroke

Technical data

Description	Max. rotational speed [min ⁻¹]	Piston stroke [mm]	Max. pressure [bar]	Pull force at 40 bar [kN]
OPUS-V 70	7000	40	70	11
OPUS-V 85	7000	32	70	19
OPUS-V 100	7000	32	70	26
OPUS-V 125	6000	40	70	41
OPUS-V 150	6000	40	70	62
OPUS-V 175	5000	45	70	84
OPUS-V 200	4000	50	70	112
OPUS-V 250	2000	60	50	180

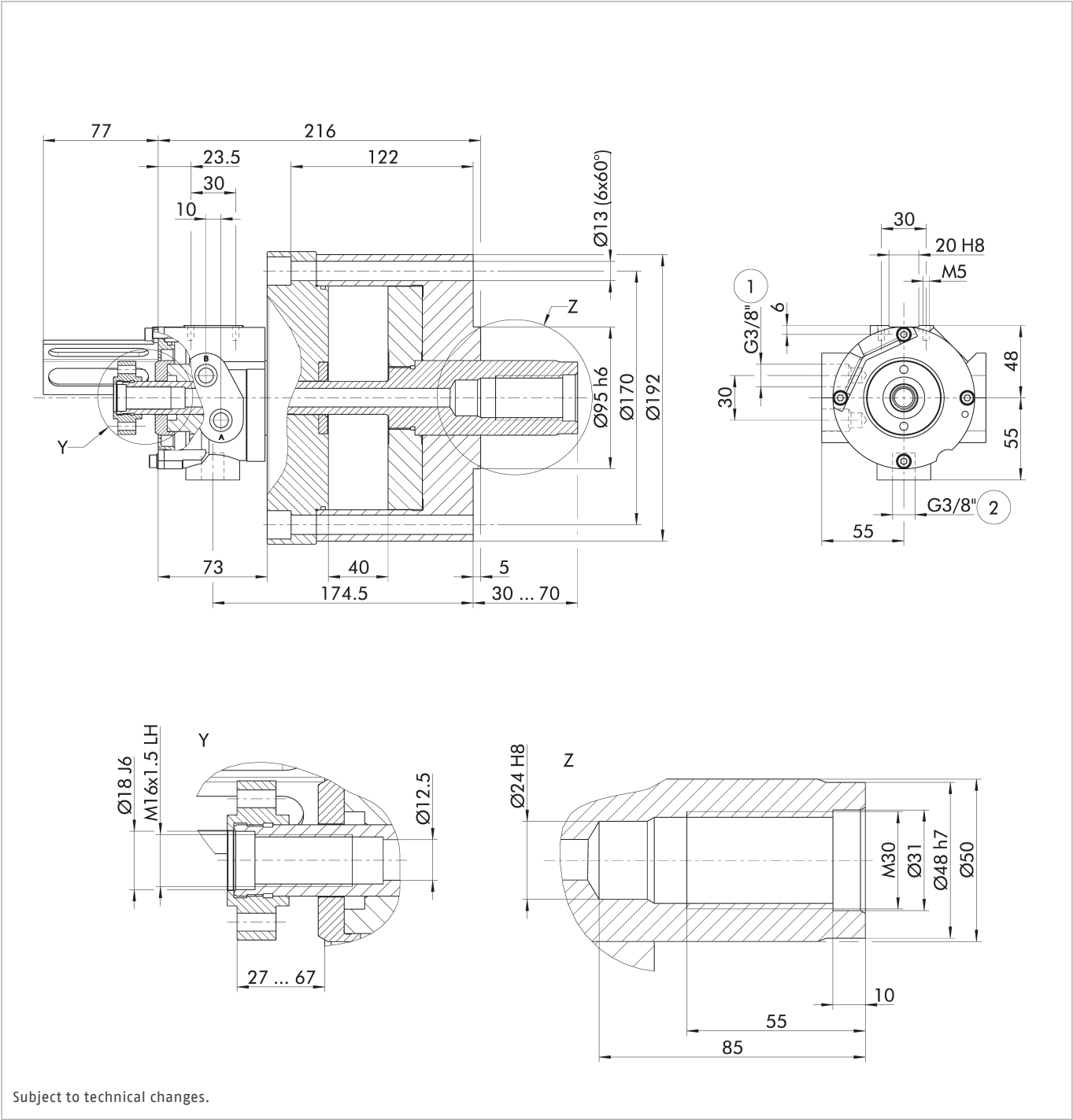
Closed-center cylinder

Scope of delivery

Closed-center cylinder, stroke control, bracket for sensors and operating manual; without sensors, without mounting screws

Technical data

ID	Max. rotational speed [min ⁻¹]	Piston surface [cm ²]	Piston stroke [mm]	Max. pressure [bar]	Pull force at 40 bar [kN]	Oil leakage rate [l/min]	Moment of inertia [kgm ²]	Weight [kg]
0823324	6000	157	40	70	62	1.5	0.08	20



① Oil pressure connections

② Leakage oil connection



**H.-D. SCHUNK GmbH & Co.
Spanntechnik KG**

Lothringer Str. 23
D-88512 Mengen
Tel. +49-7572-7614-1300
Fax +49-7572-7614-1039
CMM@de.schunk.com
schunk.com